

What Is Claimed Is:

1. A load detection circuit for determining when

(1) a loudspeaker load is properly connected at a set
5 of loudspeaker terminals, (2) a loudspeaker load is
improperly connected at the loudspeaker terminals, and
(3) no loudspeaker load is connected at the
loudspeaker terminals.

10 2. A load detection circuit according to claim 1
wherein the load detection circuit comprises two
operational amplifiers.

15 3. A load detection circuit according to claim 1
wherein the load detection circuit comprises two light
emitting diodes packaged in a single housing, and
further wherein one of the two light emitting diodes
is a green diode and the other one of the two light
emitting diodes is a red diode, the load detection
20 circuit being configured to (1) light the green diode
when the loudspeaker load is properly connected at the

loudspeaker terminals, (2) light the red diode when
the loudspeaker load is improperly connected at the
loudspeaker terminals, and (3) light both the green
diode and the red diode together when there is no
loudspeaker load connected at the loudspeaker
5 terminals.

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